

FIG.2

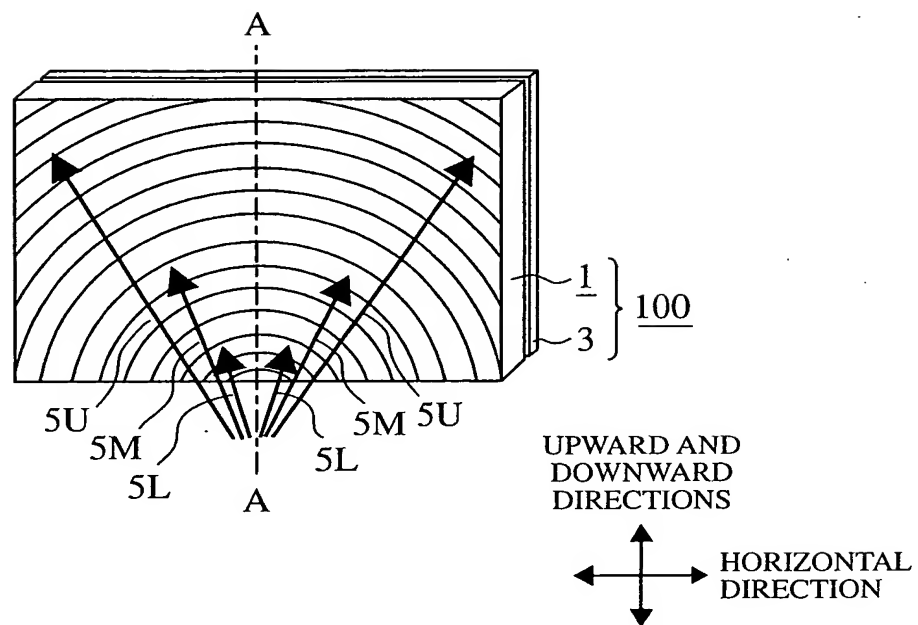
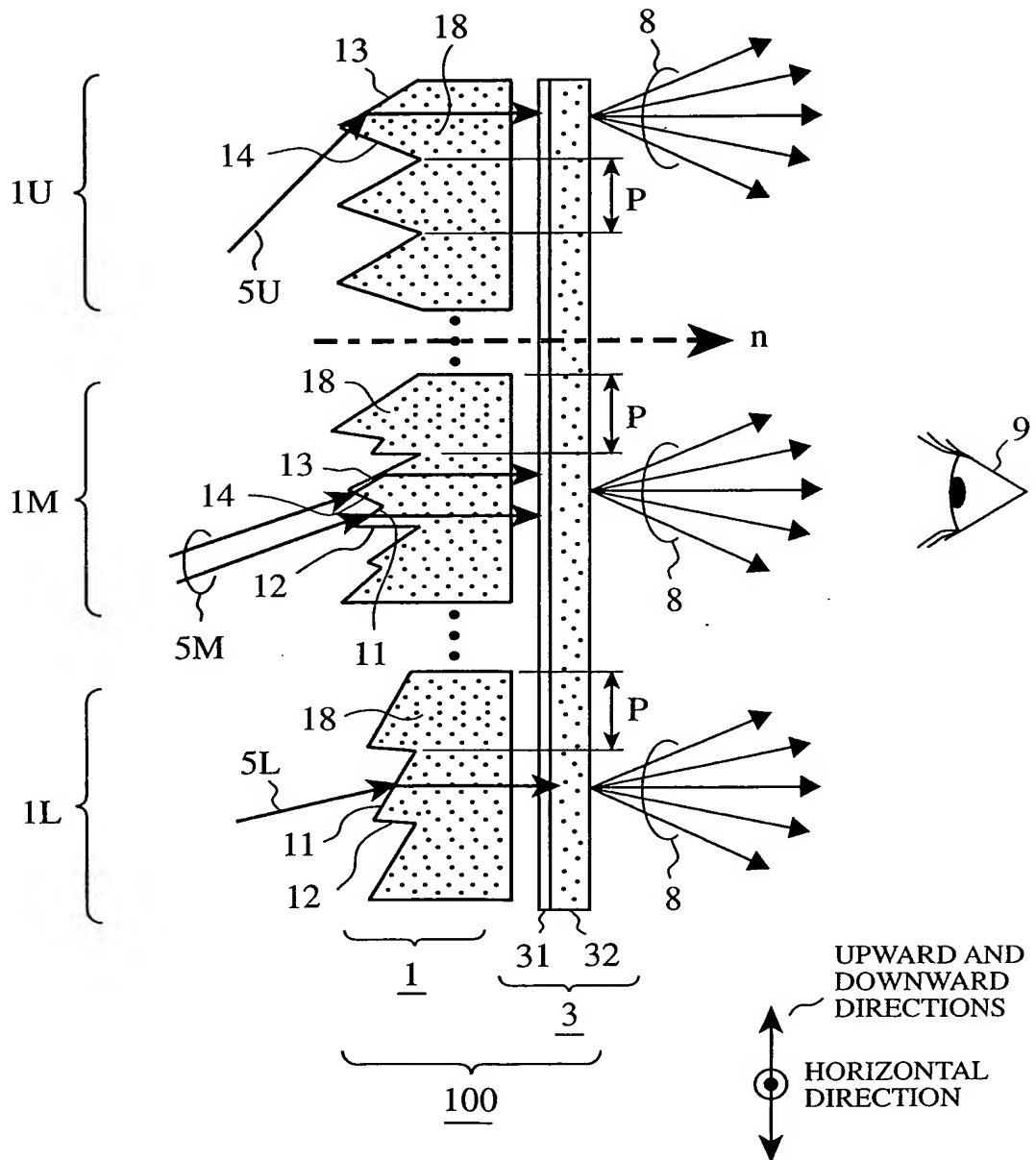


FIG.3



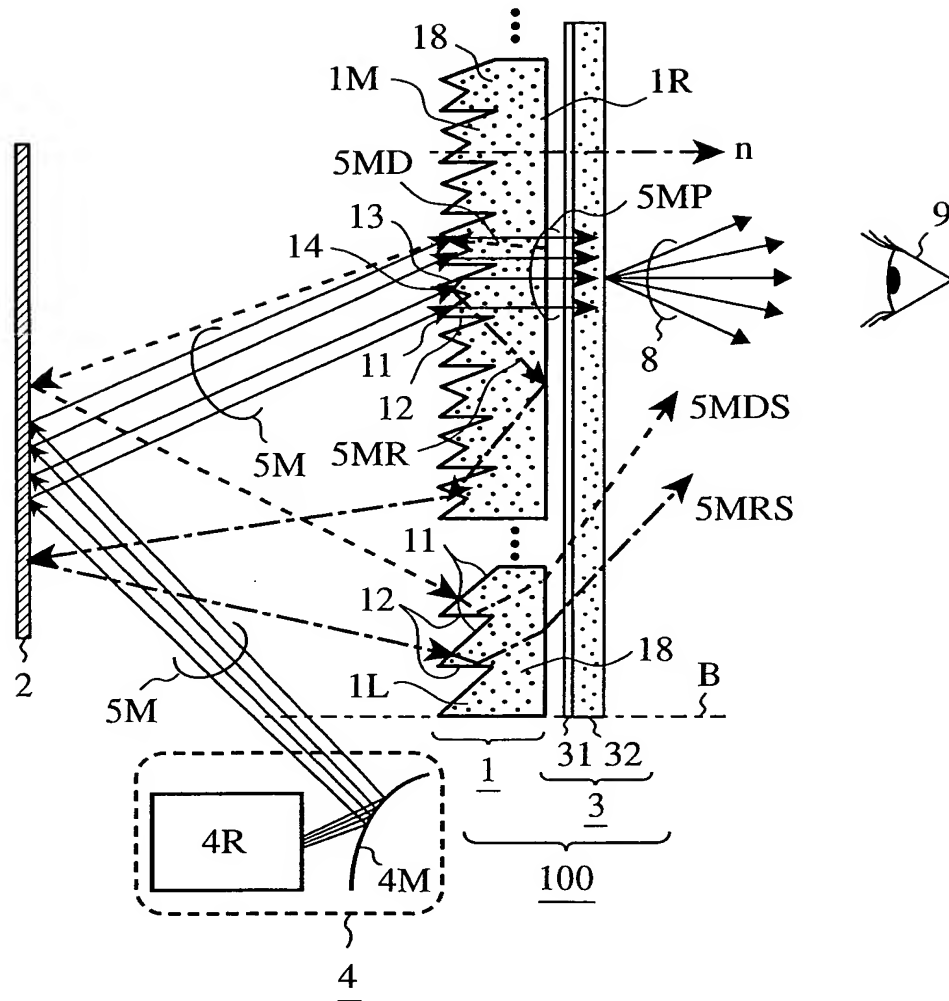


FIG. 5

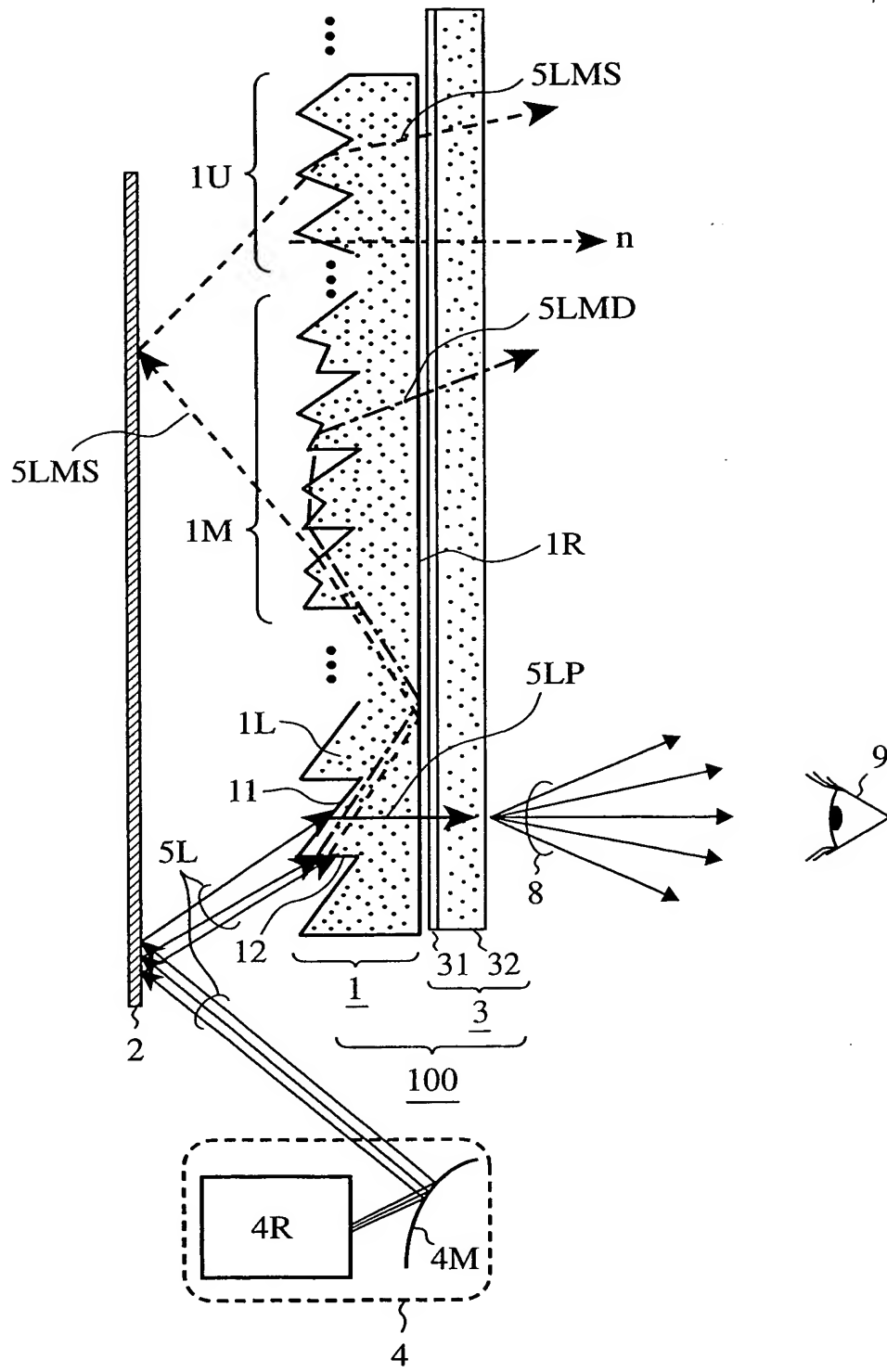


FIG.6A

SAMPLE ID		#1	#2	#3	#4
STRUCTURE OF REFRACTION/ TOTAL REFLECTION PLATE	TRANSPARENT SUBSTRATE 18 COATINGS 16 AND 17 LENTICULAR LENS UNIT 15	ACRYLIC WITHOUT WITHOUT	ACRYLIC SINGLE-LAYER COATING WITHOUT	ACRYLIC TWO-LAYER COATING WITHOUT	ACRYLIC TWO-LAYER COATING WITH
WHITE APERTURE BRIGHTNESS/ DOWNWARD GHOST LIGHT BRIGHTNESS	FRONT OBSERVATION PEEPING OBSERVATION	116 68	298 195	529 413	361 423
WHITE APERTURE BRIGHTNESS/UPWARD GHOST LIGHT BRIGHTNESS		230	189	246	328
DEGREE OF DISTURBANCE BY DOUBLE IMAGE LIGHT		×	×	×	○

FIG.6B

TRANSPARENT SUBSTRATE 18	ACRYLIC, INDEX OF REFRACTION=1.52, THICKNESS=2.7mm
INDEX OF REFRACTION OF COATING MATERIAL	SINGLE-LAYER COATING; NL=1.43, TWO-LAYER COATING; NH=1.67/NL=1.43
LIGHT-INCIDENCE-SIDE SAWTOOTH STRUCTURAL UNIT 19	ULTRAVIOLET CURING RESIN, INDEX OF REFRACTION=1.55, PITCH P=0.11mm, THICKNESS=0.16mm
LENTICULAR LENS UNIT 15	LENS PITCH: 89 μ m, LENS SHAPE (ELLIPSE; DIAMETER IN THE UPWARD AND DOWNWARD DIRECTIONS: 0.17mm DIAMETER IN THE DIRECTION OF THE NORMAL TO LENTICULAR LENS UNIT 15: 0.14mm)

FIG.6C

DOWNWARD GHOST LIGHT (FRONT OBSERVATION)	DISPLAY WHITE APERTURE (OF 24 SQUARE CENTIMETERS) AT CENTER OF SCREEN, MEASURE BRIGHTNESS OF WHITE APERTURE FROM POSITION AT DISTANCE OF 1.6m FROM SCREEN IN DIRECTION OF NORMAL TO SCREEN, AND MEASURE BRIGHTNESS OF DOWNWARD GHOST RAYS OF LIGHT IN VICINITY OF CENTER OF LOWER SIDE OF SCREEN
DOWNWARD GHOST LIGHT (PEEPING OBSERVATION)	DISPLAY WHITE APERTURE (OF 24 SQUARE CENTIMETERS) AT CENTER OF SCREEN, MEASURE BRIGHTNESS OF WHITE APERTURE FROM POSITION LOCATED AT DISTANCE OF 1.75m FROM SCREEN IN DIRECTION OF NORMAL TO SCREEN AND LOCATED IN SLANTING UPWARD DIRECTION HAVING 20-DEGREE ANGLE, AND MEASURE BRIGHTNESS OF DOWNWARD GHOST RAYS OF LIGHT IN VICINITY OF CENTER OF LOWER SIDE OF SCREEN
UPWARD GHOST LIGHT	DISPLAY WHITE APERTURE (OF 12 SQUARE CENTIMETERS) AT CENTER OF LOWER SIDE OF SCREEN, OBSERVE BRIGHTNESS OF WHITE APERTURE FROM POSITION IN DIRECTION OF NORMAL TO SCREEN, AND MEASURE BRIGHTNESS OF UPWARD GHOST RAYS OF LIGHT AT BOTH POSITIONS APART FROM CENTER OF SCREEN BY 18 CENTIMETERS IN RIGHTWARD AND LEFTWARD DIRECTIONS, RESPECTIVELY
DOUBLE IMAGE LIGHT	DISPLAY CROSS HATCHING IMAGE HAVING CROSSING LINES AT PITCHES OF 24mm ON SCREEN IN ORDER FOR WATCHER TO VISUALLY EVALUATE DOUBLE IMAGE RAYS OF LIGHT IN VICINITY OF CENTER OF LOWER SIDE OF SCREEN

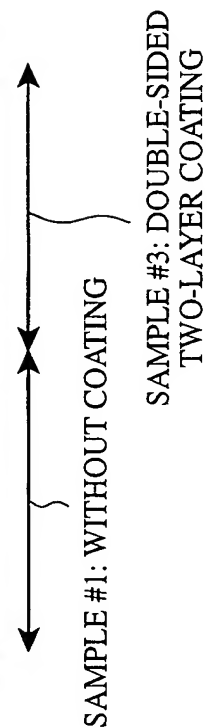


FIG. 7A

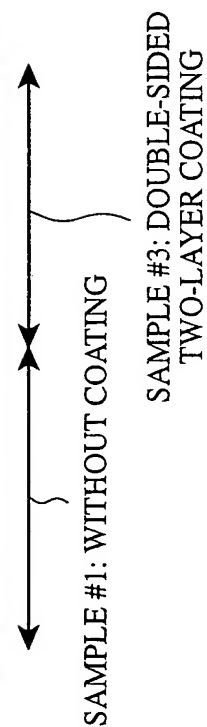
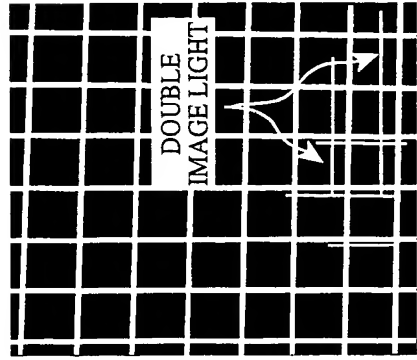
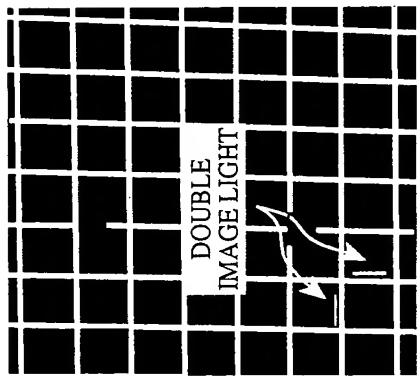


FIG.8A



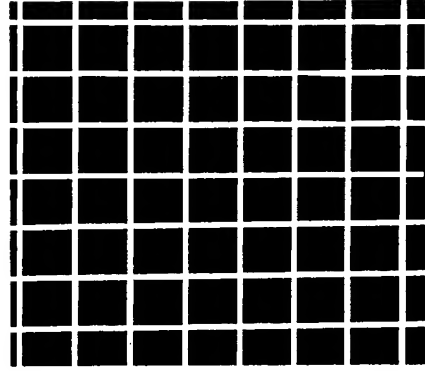
SAMPLE #1: WITHOUT COATING

FIG.8B



SAMPLE #3:
DOUBLE-SIDED TWO-LAYER COATING

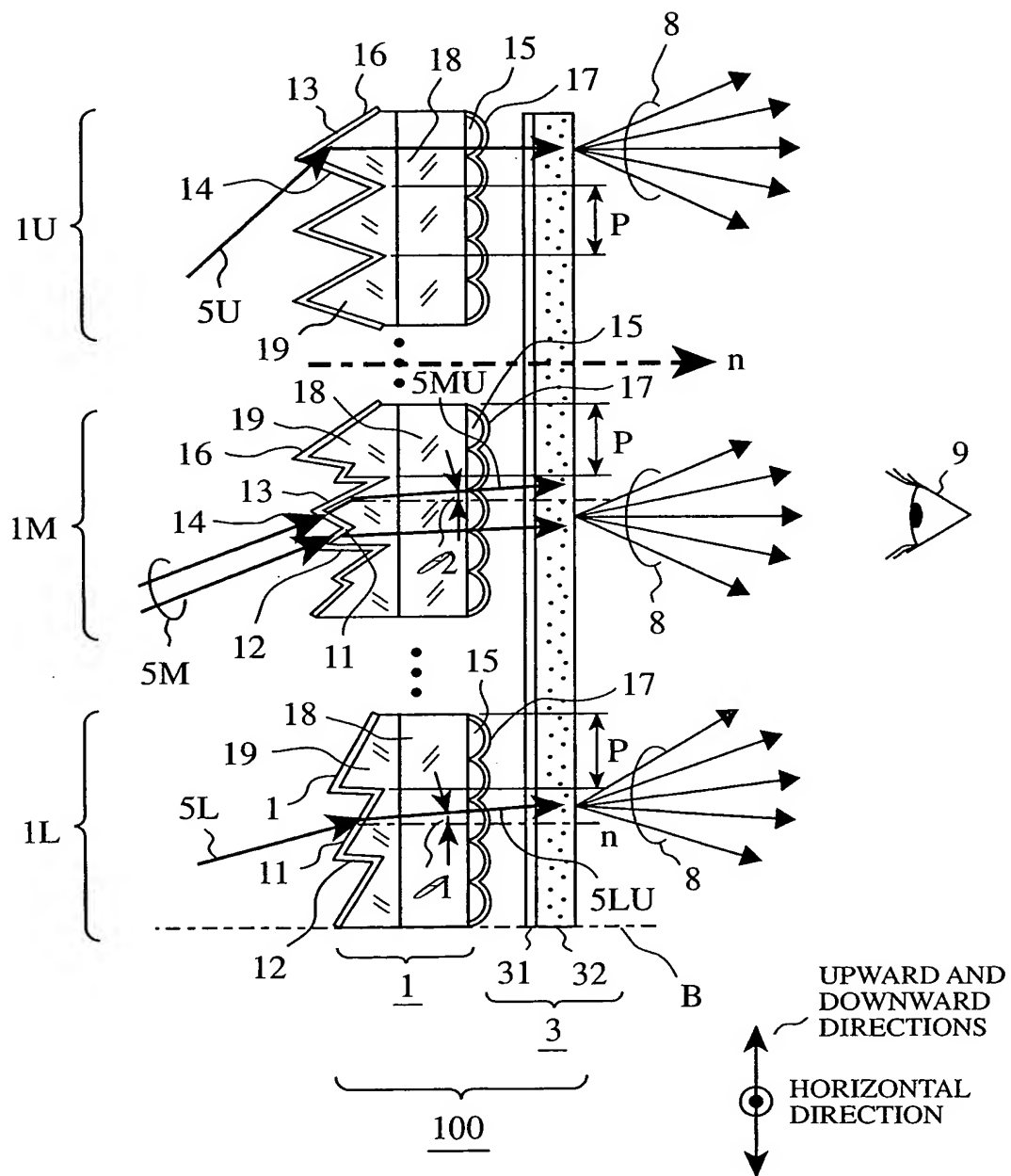
FIG.8C



SAMPLE #4:
DOUBLE-SIDED TWO-LAYER
COATING + LIGHT-EMITTING-SIDE
LENTICULAR LENS

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FIG. 9



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FIG.10

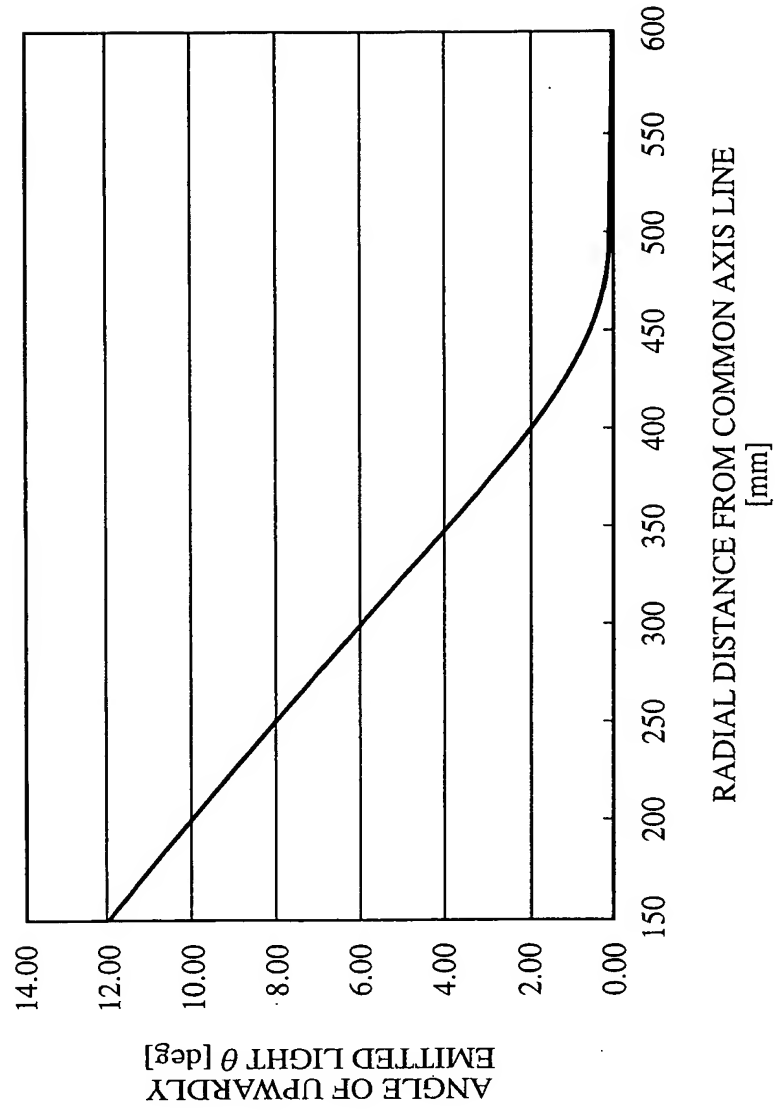
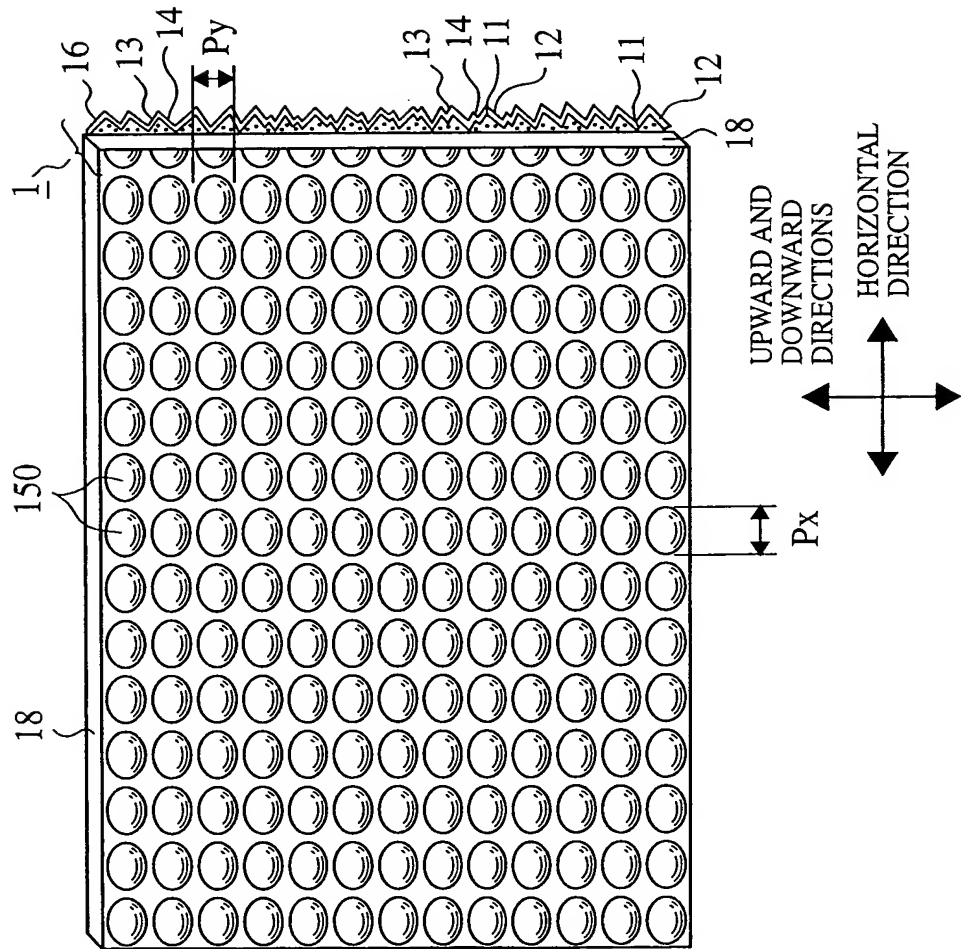


FIG.11



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FIG. 12

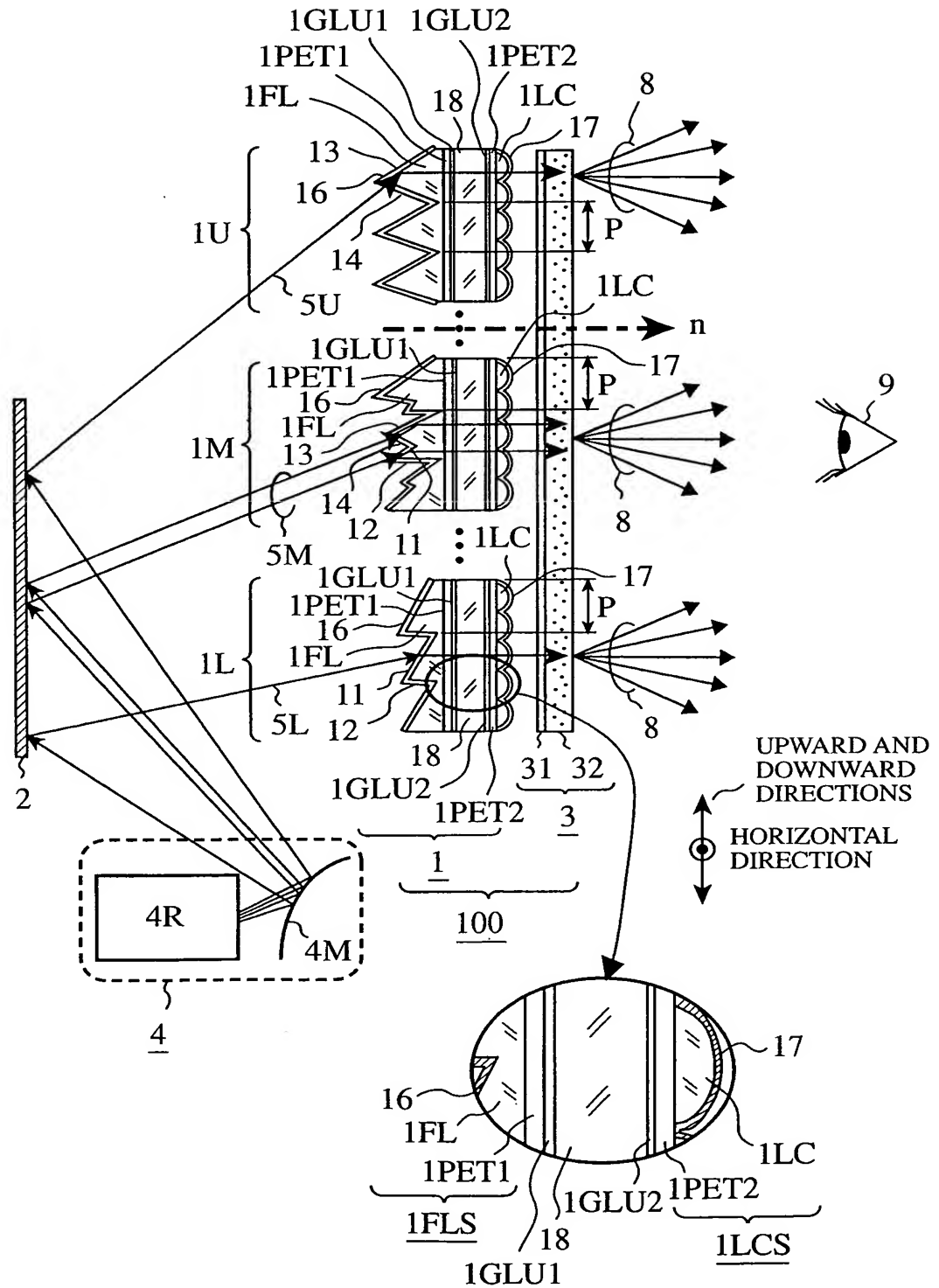


FIG.13

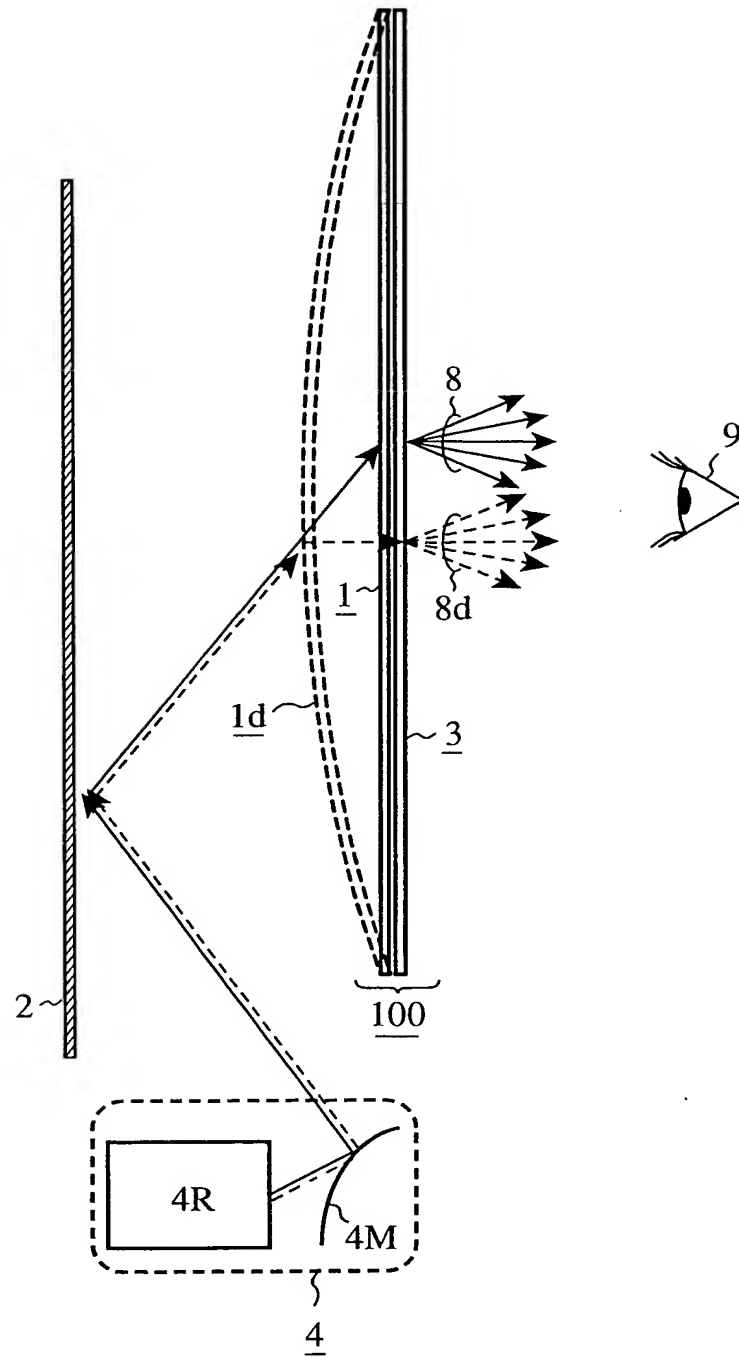




FIG.14

